

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	35	438/622.cor. and (gas or gaseous or carbon near dioxide or ozone or co or aerated) near2 (water or di or liquid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 17:03
L2	158	438/622.cor. and (tungsten or w) near6 (plug or via or viahole)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 17:01
L1	637	438/622.cor.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 16:56
S65	66	(gas or co or carbon near dioxide or carbon near oxide or gaseous or bubble) near3 (inject\$4 or introduc\$4 or sparg\$4 or dissol\$5 or diffus\$4 or aerat\$4) near3 (liquid or water or di) near15 (corros\$4 or erosion or eroding or eroded or pitting) same (tungsten or w or aluminum or al or copper or cu or wiring or interconnect or plug or interconnection)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 15:53
S64	356	(gas or co or carbon near dioxide or carbon near oxide or gaseous or bubble) near3 (inject\$4 or introduc\$4 or sparg\$4 or dissol\$5 or diffus\$4 or aerat\$4) near3 (liquid or water or di) near10 (corros\$4 or erosion or eroding or eroded or pitting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 15:45
S63	17	(US-20010023700-\$ or US-20020036001-\$ or US-20020053355-\$ or US-20030006513-\$ or US-20030148602-\$ or US-20030203625-\$ or US-20030221705-\$ or US-20040000234-\$ or US-20040076912-\$ or US-20040152305-\$ or US-20040188018-\$ or US-20040266180-\$).did. or (US-6044850-\$ or US-6277742-\$ or US-6410417-\$ or US-6851873-\$).did. or (JP-2003080181-\$).did.	US-PGPUB; USPAT; JPO	OR	ON	2005/09/15 15:12
S61	10	tungsten same (rins\$3 or clean\$4 or discharg\$4 or decharg\$4 or (charge or charged or ions) near2 (remov\$4 or strip\$4 or extract\$4 or eliminat\$4 or reduc\$4 or neutraliz\$4)) near15 (aerat\$4 or sparg\$4 or (gas or co or carbon near dioxide) near2 (introduc\$4 or inject\$4 or dissolv\$4)) near6 (water or liquid or di)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/13 15:20
S56	104	(wiring or interconnect or interconnection or damascene or plug or viahole or wire or trace) and (corrosion or corrosive or corroding or corroded or discharging or discharged or (remove or removing or removal or elimination or extraction or extracting or reduction or reducing) near2 (charge)) near10 (carbonic or co near3 water)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/13 15:14
S60	20	("4990260"   "5175124"   "5301701"   "5336371"   "5409613"   "5415191"   "5419351"   "5451291"   "5518624"   "5578193"   "5593538"   "5651894"   "5674410"   "5695545"   "5720869"   "5725753"   "5727332"   "5800626"   "5833846"   "5938922"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/13 15:12
S59	2	"6244280".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/13 15:05
S57	337	134/1.3.cor.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/13 14:58

S31	98	(wiring or interconnect or interconnection or damascene or plug or viahole or wire or trace) and (corrosion or corrosive or corroding or corroded or discharging or discharged or (remove or removing or removal or elimination or extraction or extracting or reduction or reducing) near2 (charge)) near10 (carbonic or co near3 water)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/13 14:58
S55	2	"5480754".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/13 14:56
S52	47	(interconnect or interconnection or wiring or trace or damascene or plug or viahole) and (corrosion or corroding or corroded or corrode or erosion or eroding or eroded or erode) near8 ((gas or ozone or carbon adj dioxide or oxygen or nitrogen or carbonized or carbonated) near2 (sparged or dissolved or dissolving or dissolute or introduced or introducing) near2 (water or di or liquid))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/13 14:56
S54	78	438/745.cor. and (discharg\$3 or decharg\$4 or (charged or charge or ions) near2 (remov\$4 or extract\$4 or eliminat\$4 or neutraliz\$3 or strip\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/13 14:51
S53	404	438/745.cor.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/13 14:50
S51	112	438/720.cor.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/13 14:50
S49	148	438/706.cor. and (discharg\$3 or decharg\$4 or (charged or charge or ions) near2 (remov\$4 or extract\$4 or eliminat\$4 or neutraliz\$3 or strip\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/13 14:50
S17	43	(interconnect or interconnection or wiring or trace or damascene or plug or viahole) and (corrosion or corroding or corroded or corrode or erosion or eroding or eroded or erode) near8 ((gas or ozone or carbon adj dioxide or oxygen or nitrogen or carbonized or carbonated) near2 (sparged or dissolved or dissolving or dissolute or introduced or introducing) near2 (water or di or liquid))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/13 14:41
S48	616	438/706.cor.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/13 14:38
S50	106	tungsten near2 plug near8 (corrosion or corroding or corroded or corrode or erosion or eroding or eroded or erode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/13 14:36
S14	100	tungsten near2 plug near8 (corrosion or corroding or corroded or corrode or erosion or eroding or eroded or erode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/13 14:35
S47	125	438/672.cor.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/13 14:25

S46	90	438/476.cor.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/13 14:14
S44	250	(decharg\$3 or discharg\$3 or (charge or ion or electron) near2 (remov\$4 or strip\$4 or extract\$4 or neutraliz\$4)) near8 (tungsten or w!) same (gas or co or carbon near oxide or carbon near dioxide or carbonic near acid or ozone or oxygen or ozonated or oxygenated or hydrogen) near5 (liquid or water or DI)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/13 14:08
S45	87	(decharg\$3 or discharg\$3 or (charge or ion or electron) near2 (remov\$4 or strip\$4 or extract\$4 or neutraliz\$4)) near3 (tungsten or w!) near5 (via or plug or wiring)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/13 12:39
S43	13451	(decharg\$3 or discharg\$3 or (charge or ion or electron) near2 (remov\$4 or strip\$4 or extract\$4 or neutraliz\$4)) near8 (tungsten or w!)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/13 12:38
S41	21	(tungsten or w) near6 (decharg\$4 or discharg\$4 or (remov\$4 or extract\$4 or reduc\$4) near2 (charge or charged or ion or electron)) same (ozone or carbon near dioxide or oxygen or hydrogen) near5 (water or liquid or DI or H near o or solvent) and (polymer or polyimide or photoresist or resist or resin) near5 (strip\$4 or remov\$4 or etch\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/31 15:24
S40	1081	(tungsten or w) near6 (decharg\$4 or discharg\$4 or (remov\$4 or extract\$4 or reduc\$4) near2 (charge or charged or ion or electron)) and (polymer or polyimide or photoresist or resist or resin) near5 (strip\$4 or remov\$4 or etch\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/31 14:41
S38	62	(tungsten or w) near (plug or viahole or via or post) near10 (decharg\$4 or discharg\$4 or (remov\$4 or extract\$4 or reduc\$4) near2 (charge or charged or ion or electron))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/31 14:40
S39	8	"20020036001" "6358329".pn. "5336371".pn. "6410417".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/31 14:17
S27	19	(interconnect or damascene or wiring or trace or interconnection or electrode) near10 (corrosion or corroding or corrosive or corrode or corroded or erosion or eroding or erosive or erode or eroded or discharging or decharging or discharged or charging or charge or charged) near8 (carboxylic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/31 13:52

# Interference Search Notes

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	3	(tungsten near3 plug near15 (corrosion or corroded or corrosive or corroding)).clm.	US-PGPUB	OR	ON	2005/09/15 16:09
L4	1	(tungsten near3 plug near15 (discharg\$3 or decharg\$3 or (charge or ion) near2 (remov\$4 or extract\$4 or dissipat\$4 or neutraliz\$5 or eliminat\$4))).clm.	US-PGPUB	OR	ON	2005/09/15 16:11
L5	3	(tungsten near3 plug and (carbon near dioxide or co or gas or gaseous or aerated) near5 (liquid or water or di)).clm.	US-PGPUB	OR	ON	2005/09/15 16:12
L8	1	((discharg\$ or corros\$4 or corrod\$) near4 (interconnect or wiring or plug or tungsten) and (carbon near dioxide or co or gas or gaseous or aerated) near5 (liquid or water or di)).clm.	US-PGPUB	OR	ON	2005/09/15 16:14
L10	1	(tungsten near plug and (interconnect or interconnection or wiring) near line and (gas or carbon near dioxide or gaseous or bubble or aerated) near4 (liquid or water or di)).clm.	US-PGPUB	OR	ON	2005/09/15 16:15